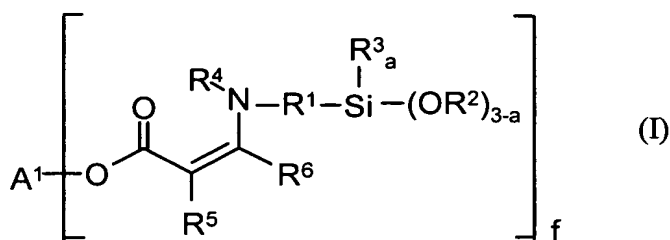


Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A moisture-curing one-component composition comprising at least one polymer of the formula (I)



in which A^1 is the radical of an optionally chain-extended, polymeric alcohol after removal of f OH groups;

f is the average functionality based on the 3-(N-silylalkyl)aminopropenoate groups and f is in the range between 1 and 3;

R^1 is a linear or branched, optionally cyclic, alkylene group having 1 to 20 carbon atoms, optionally having aromatic moieties, and optionally having one or more hetero atoms, in particular nitrogen atoms;

R^2 is an alkyl group having 1 to 5 carbon atoms;

R^3 is an alkyl group having 1 to 8 carbon atoms;

a is 0, 1 or 2;

R⁴ is a hydrogen atom or an optionally substituted alkyl, aryl or arylalkyl group;

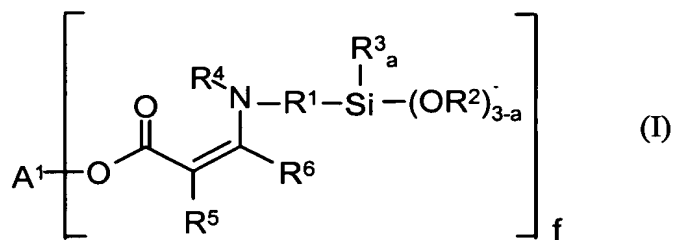
R⁵ and R⁶, independently of one another, are a hydrogen atom or an optionally substituted alkyl, aryl or arylalkyl group, or R⁵ and R⁶ together are an optionally substituted alkylene group and thus form a cyclic compound.

2. (Original) The moisture-curing one-component composition as claimed in claim 1, characterized in that f is in the range between 1.2 and 2.5.
3. (Currently Amended) The moisture-curing one-component composition as claimed in claim 1 ~~or claim 2~~, characterized in that R¹ is a methylene, propylene, methylpropylene, butylene or dimethylbutylene group, in particular a propylene group.
4. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~ claim 1, characterized in that R² is a methyl group or an ethyl group or an isopropyl group, in particular a methyl group or an ethyl group.
5. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~ claim 1, characterized in that R³ is a methyl or an ethyl group, in particular a methyl group.

6. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that R^4 is a hydrogen atom.
7. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that R^5 is a hydrogen atom and R^6 is a methyl group.
8. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that the polymeric alcohol is a polyoxyalkylenepolyol, in particular a polyoxyalkylenediol or a polyoxyalkylenetriol, in particular a polyoxypropylenediol or polyoxypropylenetriol.
9. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that the polymeric alcohol is a polyoxyalkylenediol or a polyoxyalkylenetriol having a degree of unsaturation of less than 0.02 meq/g and a molecular weight M_n of from 1000 to 30 000 g/mol.
10. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that it additionally comprises at least one low molecular weight compound comprising 3-(N-silylalkyl)aminopropenoate groups.
11. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of the preceding claims~~claim 1, characterized in that it additionally contains at least one polymer containing silane groups.

12. (Original) The moisture-curing one-component composition as claimed in claim 11, characterized in that the polymer containing silane groups is prepared by a hydrosilylation reaction from a polymer having terminal double bonds, in particular from allyl-terminated polyoxyalkylene polymers, with alkoxysilanes.
13. (Original) The moisture-curing one-component composition as claimed in claim 11, characterized in that the polymer containing silane groups is prepared from a polyurethane polymer containing isocyanate groups and organosilanes reactive toward isocyanates, in particular mercaptoalkylsilanes or aminoalkylsilanes, preferably Michael adducts of aminoalkylsilanes and maleic or fumaric diesters, or from a polymer comprising active hydrogen atoms, for example in the form of hydroxyl or mercapto groups, and isocyanatoalkylsilanes.
14. (Currently Amended) The moisture-curing one-component composition as claimed in ~~any of claims 1—12~~claim 1, characterized in that no isocyanate-containing compounds are used for their preparation.

15. (Original) A polymer of the formula (I)



in which A^1 is the radical of an optionally chain-extended, polymeric alcohol after removal of f OH groups;

f is the average functionality based on the 3-(N-silylalkyl)aminopropenoate groups and f is in the range between 1 and 3, in particular between 1.2 and 2.5;

R^1 is a linear or branched, optionally cyclic, alkylene group having 1 to 20 carbon atoms, optionally having aromatic moieties, and optionally having one or more hetero atoms, in particular nitrogen atoms;

R^2 is an alkyl group having 1 to 5 carbon atoms;

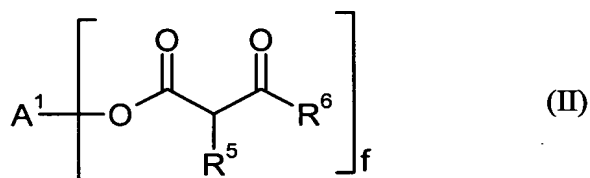
R^3 is an alkyl group having 1 to 8 carbon atoms;

a is 0, 1 or 2;

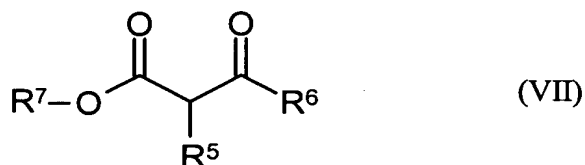
R^4 is a hydrogen atom or an optionally substituted alkyl, aryl or arylalkyl group;

R^5 and R^6 , independently of one another, are a hydrogen atom or an optionally substituted alkyl, aryl or arylalkyl group, or R^5 and R^6 together are an optionally substituted alkylene group and thus form a cyclic compound.

16. (Original) A process for the preparation of a polymer as claimed in claim 15 or of the composition as claimed in any of claims 1 to 14, comprising a step of the preparation of the polymer of the formula (I) from a polymer of the formula (II) which comprises 3-oxopropanoate groups and an aminoalkylsilane of the formula (III)



17. (Original) The process as claimed in claim 16, characterized in that the polymer of the formula (II) which comprises 3-oxopropanoate groups is prepared from a polymeric alcohol of the formula $A^1(\text{OH})_f$
- and a compound of the formula (VII)



in which R⁷ is a linear or branched alkyl group having 1 to 6 carbon atoms, in particular a tert-butyl group.

18. (Currently Amended) The process as claimed in claim 16 ~~or claim 17~~, characterized in that it additionally comprises a step of the reaction of the polymer of the formula (II) which comprises 3-oxopropanoate groups with a diamine in less than the stoichiometric amount.

19. (Currently Amended) The process as claimed in ~~any of claims 16 to 18~~ claim 16, characterized in that no solvents are used in the preparation of the polymer of the formula (I).

20. (Currently Amended) A process for the preparation of the composition as claimed in ~~any of claims 1 to 14~~ claim 1, characterized in that the polymer of the formula (I) is mixed with additional components in the absence of moisture.

21. (Currently Amended) The use of the composition as claimed in ~~any of claims 1 to 14~~ claim 1 as an adhesive, sealing compound, coating or lining.

22. (Currently Amended) An arrangement, characterized in that it comprises a composition as claimed in ~~any of claims 1 to 14~~claim 1.
23. (Currently Amended) A solid or article, characterized in that the surface thereof has been brought at least partly into contact with a composition as claimed in ~~any of claims 1 to 14~~claim 1.
24. (Currently Amended) A method of adhesive bonding, characterized in that it comprises a step of bringing a solid or an article into contact with a composition as claimed in ~~any of claims 1 to 14~~claim 1.
25. (Currently Amended) A method for sealing, characterized in that it comprises a step of bringing a solid or an article into contact with a composition as claimed in ~~any of claims 1 to 14~~claim 1.
26. (Currently Amended) A method of coating, characterized in that it comprises a step of bringing a solid or an article into contact with a composition as claimed in ~~any of claims 1 to 14~~claim 1.
27. (Currently Amended) The method as claimed in ~~any of claims 24 to 26~~claim 24, characterized in that it comprises an additional step of curing in the air.
28. (Currently Amended) The method as claimed in ~~any of claims 24 to 27~~claim 24, characterized in that it comprises an additional step of bringing into contact with a water-containing component or admixing thereof.